



Catalog: OM639094

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Phospho-SAPK/JNK (Thr183/Tyr185)

Catalog: OM639094

☐ 100 µl

Product profile

Product name	Phospho-SAPK/JNK (Thr183/Tyr185)
Antibody Type	Primary Antibodies
Product description	<p>The stress-activated protein kinase/Jun-amino-terminal kinase SAPK/JNK is potently and preferentially activated by a variety of environmental stresses including UV and gamma radiation, ceramides, inflammatory cytokines, and in some instances, by growth factors and GPCR agonists (1-6). As with the other MAPKs, the core signaling unit is composed of a MAPKKK, typically MEKK1-MEKK4, or by one of the mixed lineage kinases (MLKs), which phosphorylate and activate MKK4/7. Upon activation, MKKs phosphorylate and activate the SAPK/JNK kinase (2). Stress signals are delivered to this cascade by small GTPases of the Rho family (Rac, Rho, cdc42) (3). Both Rac1 and cdc42 mediate the stimulation of MEKKs and MLKs (3). Alternatively, MKK4/7 can be activated in a GTPase-independent mechanism via stimulation of a germinal center kinase (GCK) family member (4). There are three SAPK/JNK genes each of which undergoes alternative splicing resulting in numerous isoforms (3). SAPK/JNK, when active as a dimer, can translocate to the nucleus and regulate transcription through its effects on c-Jun, ATF-2, and other transcription factors (3,5)</p>
Immunogen	Protein

Key Feature

Clonality	Polyclonal
Isotype	IgG
Host Species	Goat
Tested Applications	WB ,IP ,IF ,ICC ,FC
Species Reactivity	Human Mouse Rat Hamster S.cerevisiae
Concentration	1 mg/mL

Target Information

Alternative Names	C Jun kinase 2 antibody c Jun N terminal kinase 1 antibody c Jun N terminal kinase 2 antibody c Jun N terminal kinase 3 antibody c-Jun N-terminal kinase 1 antibody JNK 46 antibody JNK 55 antibody JNK antibody
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dy JNK-46 antibody JNK1 antibody JNK1A2 antibody JNK2 antibody JNK21B1/2 antibody JNK2A antibody y JNK2ALPHA antibody JNK2B antibody JNK2BETA antibody JNK3 alpha protein kinase antibody JNK3 a ntibody JNK3A antibody Jun kinase antibody JUN N terminal kinase antibody MAP kinase 10 antibody MA P kinase 8 antibody MAP kinase 9 antibody MAP kinase p49 3F12 antibody MAPK 10 antibody MAPK 8 a ntibody MAPK 9 antibody MAPK10 antibody mapk8 antibody MAPK9 antibody Mitogen activated protein kinase 10 antibody Mitogen activated protein kinase 8 antibody Mitogen activated protein kinase 8 isofo r m JNK1 alpha1 antibody Mitogen activated protein kinase 8 isoform JNK1 beta2 antibody Mitogen activa ted protein kinase 9 antibody Mitogen-activated protein kinase 8 antibody MK08_HUMAN antibody p493 F12 antibody p54a antibody p54aSAPK antibody p54bSAPK antibody PRKM10 antibody PRKM8 antibod y PRKM9 antibody SAPK antibody SAPK(beta) antibody SAPK1 antibody SAPK1a antibody SAPK1b antib ody SAPK1c antibody Stress activated protein kinase 1 antibody Stress activated protein kinase 1a antib ody Stress activated protein kinase 1b antibody Stress activated protein kinase 1c antibody Stress activa ted protein kinase beta antibody Stress activated protein kinase JNK1 antibody Stress activated protein kinase JNK2 antibody Stress activated protein kinase JNK3 antibody Stress-activated protein kinase 1c a ntibody Stress-activated protein kinase JNK1 antibody

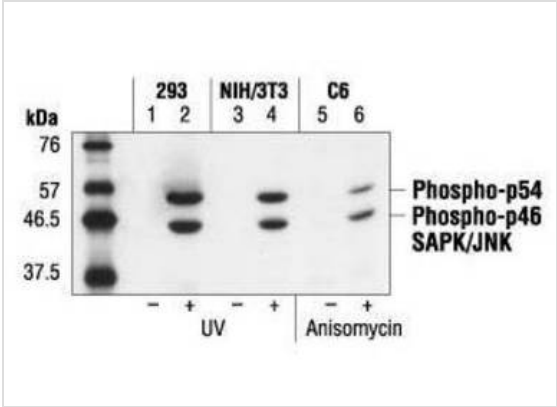
Molecular Weight(MW) 46,54kDa

Cellular Localization Cytoplasm, Nucleus

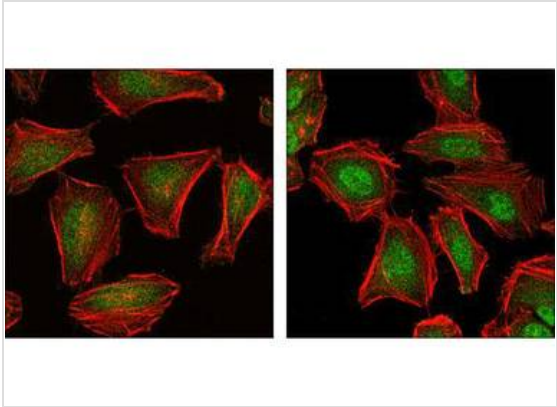
Database Links

SwissProt ID P45983

Application



Application
Fig1: A.Western blot analysis of extracts from 293 cells,untreated or UV-treated (lanes 1 and 2),NIH/3T3 cells,untreated or UV-treated (lanes 3 and 4) and C6 cells,untreated or anisomycin-treated (lanes 5 and lanes 6),using Phospho-SAPK/JNK (Thr183/Tyr185).



Application
Fig2□ Confocal Immunofluorescent analysis of HeLa cells untreated(left) and anisomycin-treated(right) using Phospho-SAPK/JNK(Thr183/Tyr185) (green).Actin filaments have been labeled with DY-554 phalloidin(red).

Positive Control HeLa, NIH/3T3, C6.

Application Notes	WB: 1:2,000
	IP: 1:250
	IF: 1:400
	ICC: 1:400
	FC: 1:200

Additional Information

Form	Liquid
Storage Instructions	Store at +4°C
Storage Buffer	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Note	The product is for research use only,not for use in diagnostic or therapeutic procedures.

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order@Omnimabs.com

506 N. GARFIELD AVE #210 ALHAMBRA, CA 91801

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt
